

# **Green Enterprise Development**

Sustainable Business Practices



**MEP.ORG**  
PROFITABILITY IN  
MANUFACTURING

## National Strategy



**MEP • MANUFACTURING  
EXTENSION PARTNERSHIP**

NATIONAL INSTITUTE OF  
STANDARDS AND TECHNOLOGY

## Utah Implementation



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**Sustainability** has become a key driver of economic growth as global demands for diminishing resources increase, renewable and alternative energy technology needs expand, and environmental concerns heighten.

Whether it is simply a response to rising energy and resource costs or as a corporate growth strategy, sustainability seeks to balance economic, environmental, and societal challenges and opportunities.

*-MEP/NIST*



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## **Green Enterprise Development**

- Developed by Purdue University
- Adopted by MEP in 2010 and first presented fall of 2011
- 72 Hours of instruction based on comprehensive body of knowledge
- Results in Industry SME Certification





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# Statistics

- **7** Full courses presented to date at 4 different venues (SLCC, OWATC, SWATC, BATC)
- **86** people trained representing **41** different companies
- **90%** pass rate on SME Certification Test
- Over **\$5.1 Million** increased profitability as a result of projects and ideas generated during the course



## SLCC – Miller Campus





Southwest ATC- Cedar City





## Bridgerland ATC - Logan





## Ogden-Weber ATC



Companies in Utah with employees trained by **MEP** and certified by the Society of Manufacturing Engineers (SME) as Green Manufacturing Specialists



GET TO THE NEXT LEVEL









“I’ve never thought of myself as being someone who was green, and often fought against it.

Having come to this course, I realized there were lots of things I could do and that I should be doing to help our environment and my company.

It opened my eyes to a lot of waste streams and ways that we can be more effective in taking care of what we have. I really appreciate taking this course and having this opportunity.”

*–Charles Wiggins, USANA, Salt Lake City, UT*

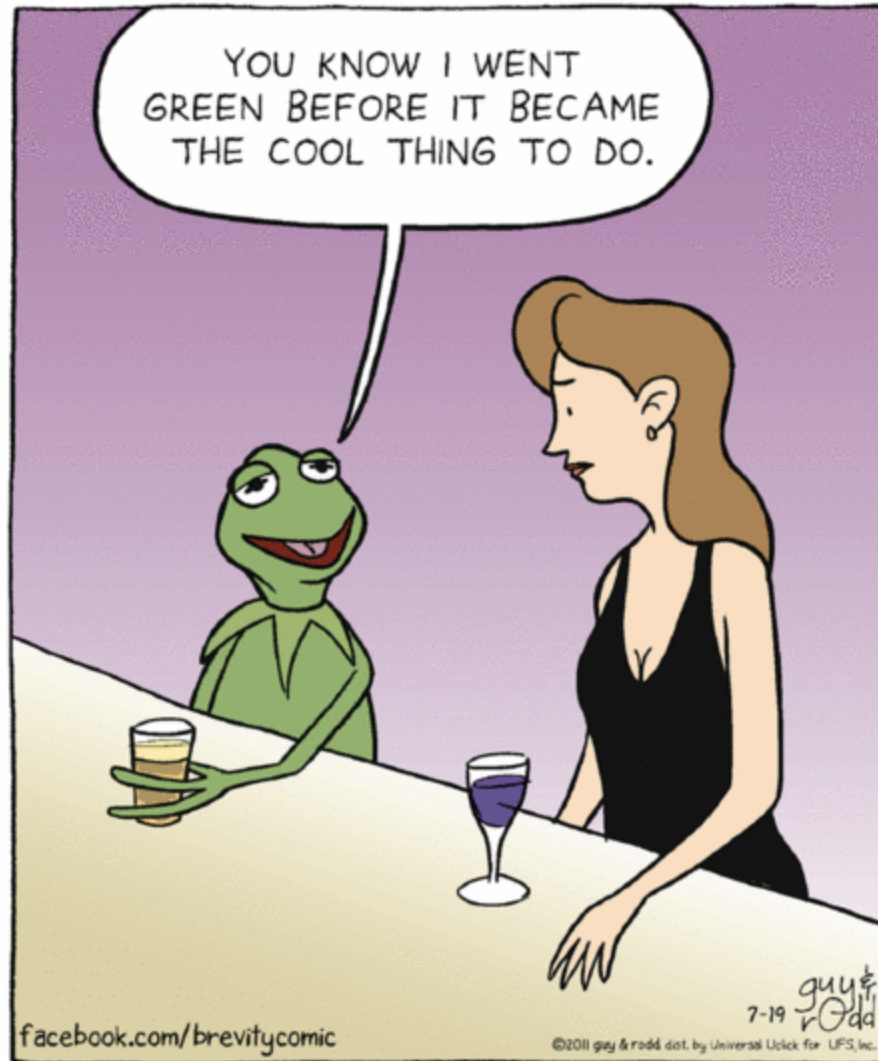


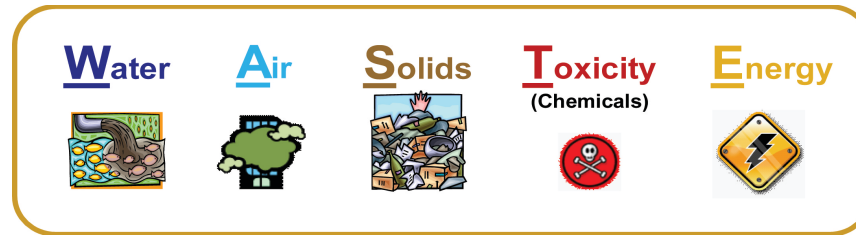
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# Extended Influence

- Greenbelt Certificate defined and refined
- Separate 8 hour course requiring prerequisites:
  - SED Course, Passing SME score, all homework assignments completed
- Increases return on investment from training
- Adds A3 Problem Solving Skills
- Requires a project that returns 3X+ on cost of course
- Individual attention and follow-up with projects
- On-site recognition for employee







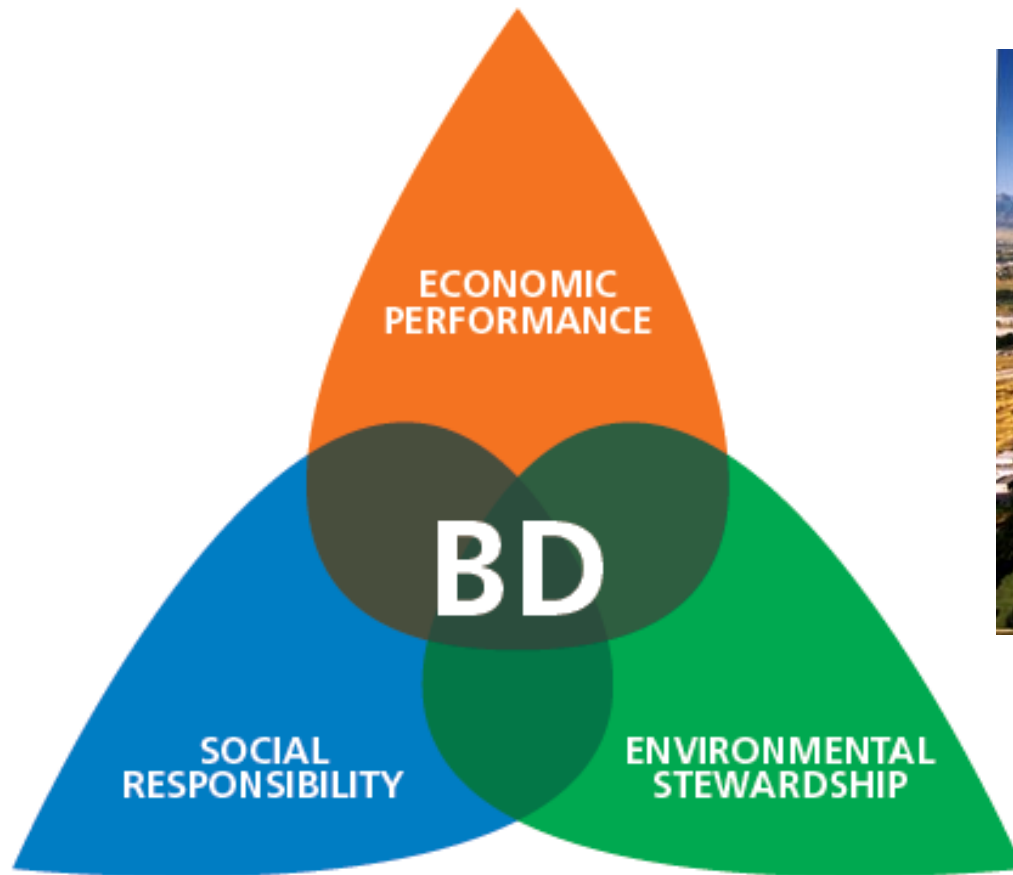
“This class was one of the most eye opening training classes that I’ve had in a while...

The information in the presentations helped me to understand the importance of our natural resources and conserving them for future generations.

This class changed my outlook not only in my profession but my personal life as well.

I would highly recommend this class for anybody with forward thinking approach to business.”

*--Dustin White, Electrical Lead, Varian Medical Systems, Salt Lake City, UT*



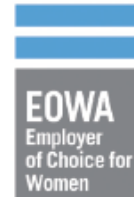
BD Medical, Sandy, UT



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# Awards, Recognitions and Affiliations

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*The class provided high-level information and resources for implementing green manufacturing...*

*..I found the methods of calculating savings very useful in putting management proposals together for new reduction projects...*

*I would suggest the course to anyone who is responsible for his or her organization's environmental program".*


-Eric Wells, Facilities Engineering Supervisor, BD Medical- Medical Surgical Systems





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# **Thanks to our Partners:**



Salt Lake Community College  
Department of Workforce Services  
Ogden-Weber ATC  
Bridgerland ATC  
Southwest ATC

